

DIVISION 6

WOOD AND PLASTIC

06200 FINISH CARPENTRY AND MILLWORK

PART 1 – GENERAL

1.1 WORK

- A. Provide and install all necessary interior and exterior finish carpentry as listed on the **Scope** and specified herein.
- B. Where additional instruction is required, work shall be as directed by the **Inspector**.
- C. When finish carpentry work involves removal or disturbance of painted or otherwise coated surfaces work shall comply with [Section 02050 Demolition](#) and [Section 01810 Lead Dust Hazards](#).
- D. Work includes all lumber, connectors, and related hardware and materials.

1.2 QUALITY STANDARDS

- A. Provide skilled, trained, experienced and competent workers sufficient in number to complete the work in a timely manner as specified herein.
- B. All work shall comply with state and local building codes.

1.3 SUBMITTALS

- A. For complete siding replacement, obtain a siding permit prior to installing or removing siding materials.
 - Submit a copy of the siding permit to the **Agency**.
 - Submit to the **Agency** a completed and signed Owner's Selection Sheet with siding and color selections.

1.4 MATERIALS HANDLING AND STORAGE

- A. Delivery and inspection:
 - Do not accept or use lumber that has excessive: Moisture content, loose knots, decay streaks, rot, insect damage, splits, pitch pockets, waness, crooks, warps, twists, or bends.
 - Do not accept or use wood panels that deviate from grade standards or have excessive: Marred surfaces, cracks, defective patches, loose knots, split edges, or delaminations.
 - Materials and products delivered will be certified by the manufacturer to be as specified.
- B. Handle lumber carefully to avoid damage during transport, unloading, and moving on the job site.
- C. Storage:
 - Store finish lumber and wood panels to prevent damage and moisture.
 - Well supported off the ground.
 - Protected from weather or moisture.
 - Neatly stacked to prevent warping.
 - Stacked with cross pieces for ventilation.
 - Protected from occupant and construction traffic.
 - Stored with level support to prevent toppling.

PART 2 – MATERIALS AND PRODUCTS

2.1 WOOD AND ACCESSORIES

- A. Provide materials as per **Scope** and as specified herein.
 - Provide wood free of significant defects or deviations from grade standards.
 - Plywood and finish wood panels.
 - Fastenings and hardware.
 - Finish nails and putty.

PART 3 – CONSTRUCTION AND INSTALLATION

3.1 PREPARATION

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work.
- B. Interior or exterior finish carpentry which disturbs painted or otherwise coated surfaces shall be in accordance [Section 01810 Lead Dust Hazards](#).
- C. Do not install finish lumber or panels with defects or deviations from grade standards:
 - Marred surfaces.
 - Cracks.
 - Defective patches.
 - Loose knots.
 - Split edges.
 - Delaminations.
- A. Handle wood with care to avoid damage during:
 - Transport.
 - Unloading.
 - Moving.
 - Stacking.

3.2 FINISH CARPENTRY – EXTERIOR WORK

- A. Protect newly cut wood with prime coat or preservative treatment.
- B. Install wood trim at cornices, eaves, columns, doors, windows, porches, etc. so that:
 - Cuts are clean, straight, and square.
 - Joints in parallel wood trim members shall be staggered.
- C. Wood siding:
 - Cuts are clean, straight, and square.
 - Joints in wood siding shall be staggered.
 - Joints in wood siding shall in line with wall studs.
 - Allow for expansion space at edges as required by manufacturer.
- D. Fasteners:
 - Fasten all pieces straight, true, and secure.
 - Coordinate backing and blocking.
 - Set nails before finishing.
 - Follow all nail type, size, and spacing requirements required by the building code.
 - Use hot-dipped galvanized steel or stainless steel nails for exterior, high humidity, and treated wood locations.
 - Power driven nailing shall comply with State and Local building code standards and the International Staple, Nail and Tool Association (<http://isanta.org/>) standards as outlined in the ICC Evaluation Services, Inc. (www.icc-es.org) Legacy Report (NER-272), © January 1, 2004.
- E. Cleanup and remove all wood scraps and sawdust from site.

3.3 FINISH CARPENTRY – INTERIOR FINISH WORK

- A. Coordination:
 - Coordinate with finish carpentry, furnishings, fixtures, and equipment to be installed by others.
 - Coordinate backing materials and blocking.
 - Protect finish work from damage by other trades.
 - Prepare sub-surfaces to receive finish materials.
- B. Keep working environment clean, free of airborne construction dust.
- C. Jointing:
 - Make joints to conceal shrinkage by mitering exterior joints, mitering or scarfing end-to-end joints, and coping interior joints.
 - Make saw cuts straight and clean.
 - Make tight fits without gaps.
 - Make splices tight and staggered (never side by side).
 - Align and exactly match miter joints at edges and corners.

- Install running trim in maximum lengths; do not use short pieces or splicing of scraps.
 - Keep number of joints to a minimum by consistently using maximum size material.
 - Thoroughly sand smooth all new materials including cut edges.
- D. Fasteners: See section 3.2 Finish Carpentry – Exterior Work, (D. Fasteners).
- E. Miscellaneous
- Securely attach wood handrails that meet building code required loads.
 - Support shelves and closet poles so that they will not sag when loaded.
- F. Finishing:
- Where sanding of new materials is required, sand with grain to totally smooth, unblemished surface.
 - Set finish nails before painting or staining.
- G. Cleaning:
- Vacuum clean all work surfaces where sawdust is present.
 - Remove scraps frequently.

3.4 FINISH CARPENTRY – INSPECTION

- A. Work will be rejected by the **Inspector** as nonconforming due to:
- Substandard material.
 - Hammer or other tool marks.
 - Dents.
 - Nailing splits.
 - Unmatched grains or patterns.
 - Uneven or over sanding.
- B. Correct nonconforming work by:
- Replacing damaged or defective materials with new materials at the **Contractor's** expense.
 - Re-sand any unfinished or unsmoothed surfaces.
 - Make repairs so they are undetectable.

END OF SECTION – 06200 FINISH CARPENTRY AND MILLWORK